

Patent Abstracts of Japan

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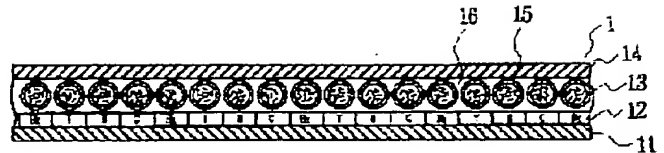
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APPLICANT : TOPPAN PRINTING CO LTD;

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TITLE : MAGNETIC RECORDING MEDIUM AND
ITS RECORDING METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To provide a recording medium capable of displaying an image of high resolution and visibility and excellent stability and displaying a reversible and multicolor display by permitting magnetically impressed and unimpressed portions to be different in brightness.

SOLUTION: This magnetic recording medium comprises the laminate of a pattern forming layer 12, which consists of patterns with yellow (Y), magenta (M), cyan (C), and black (B), and a magnetic storage layer 13, which comprises microcapsules 15 distributed within a binder 16, each of the microcapsules 15 enclosing at least flaked magnetic particles and a dispersion medium formed by the dispersion of the particles and showing a solid-phase state at room temperature. For every pattern consisting of a color corresponding to the color of picture elements forming as image, the microcapsules 15 in the magnetic storage layer 13 are heated to melt the dispersion medium, and the flaked magnetic particles are oriented by application of magnetism in the horizontal or vertical direction, thereby forming a full-color image corresponding to each of the colors of the pattern forming layer 12.

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